Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/30/2020 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123230	-2	2.59	123233	2.60
Blue	F	SSC	125000	124479	-1	1.76	125168	1.79
Blue	E	FITC	15892	15488	-3	3.00	339	20.74
Blue	D	PE	29999	29117	-3	2.08	634	15.02
Blue	B	PerCP-Cy5-5	43732	43608	-1	3.79	1174	20.80
Blue	A	PE-Cy7	30845	30962	0	6.23	588	42.74
Red	C	APC	46112	45025	-3	2.50	1609	12.10
Red	A	APC-Cy7	30458	29649	-3	2.35	791	12.08
Violet	B	V450	7918	7636	-4	3.79	448	12.66
Violet	A	V500	32171	31806	-2	3.51	750	9.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16242	12.79	634	13	N/A	N/A	Pass
Blue	F	SSC	57464	1.29	574	15	N/A	N/A	Pass
Blue	E	FITC	61	67.39	551	8	0.0189	169	Pass
Blue	D	PE	132	51.50	556	8	0.1627	297	Pass
Blue	B	PerCP-Cy5-5	219	50.99	664	8	0.0087	72	Pass
Blue	A	PE-Cy7	108	106.44	709	11	0.0100	17	Pass
Red	C	APC	390	25.38	588	4	0.0246	200	Pass
Red	A	APC-Cy7	177	28.47	559	3	0.0053	837	Pass
Violet	B	V450	69	56.10	466	8	0.0488	1845	Pass
Violet	A	V500	113	31.86	482	8	0.0245	707	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.25	-32.74	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.59	13.60 - 20.40	N/A	N/A	30.06	30.57	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9501

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments